# TOOL-BOX TALK: PREVENTIVE MAINTENANCE 101

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### Tool-Box Talk

### **Preventive Maintenance 101**

Preventive Maintenance- Actions performed on a time- or machine-run-based schedule that detect, preclude, or mitigate degradation of a component or system with the aim of sustaining or extending its useful life through controlling degradation to an acceptable level. (Definition Source: SMRP Best Practices)

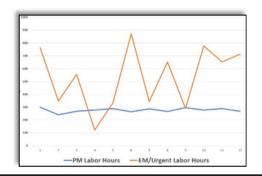
#### Fundamentals of PM

- All Equipment PMs are focused on specific "Failure Modes"
- 2 All PM Procedures should have the following:
- Step by Step Instructions (initial each step)
  - Specifications
  - Space available for extra information Condition as found Condition as left

Recommendation to changes to Procedure

- When a PM Work Order is given to Maintenance Techs the following should be attached:
  - Equipment Failure history since last PM Executed
- 4. If a piece of critical equipment fails between PM cycles an RCA should be initiated
- Post the following metric in Maintenance 5. Shop on a line graph

PM Labor Hours vs EM/Urgent Labor Hours



### Steps to take if PMs are not Effective or meeting expectations

Step 1: Acknowledge you have a problem with your PM Program not meeting expectations

"you cannot solve a problem without admitting you have a problem"

<u>Step 2</u>: Assemble a team of Maintenance Techs, Maintenance Supervisor and operators

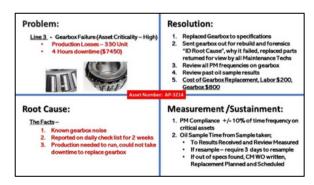
Step 3: The PM Optimization Team establishes their Vision, Mission, and Guiding Principles approved by Maintenance, Production and Plant Leadership and meet weekly for 30 minutes max (FOCUS)

Step 4: Identify the equipment experiencing the most losses, ie. OEE, Production loss, EM/Urgent Labor hrs., etc.

Step 5: Post a Dashboard to measure progress and effectiveness of the Program



<u>Step 6:</u> Create a PM Problem/Solutions Board using the A3 Approach to problem solving



It is critical to manage Preventive Maintenance as a continuous improvement process which results in optimal equipment reliability if managed effectively.









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Paul D, Health and Safety Coordinator



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